



# LONGSHINE Technologie (Europe) GmbH

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## LCS-8531R

### 802.11b Wireless Lan

### CARD-BUS Adapter



**Interoperable with the IEEE 802.11b compliant wireless devices**

**High-speed wireless data rate up to 11Mbps**

**64/128-bit WEP Data Encryption function**

**Supports peer-to-peer communication**

#### Features:

- ◆ Complies with the IEEE 802.11b industrial standard
- ◆ High-speed transfer data rate - up to 11Mbps
- ◆ Dynamically shifts between 11, 5.5, 2 and 1Mbps network speed, based on signal strength for maximum availability and reliability of connection
- ◆ Supports peer-to-peer communication among any wireless users, no Access Point required
- ◆ Automatic fallback increases data security and reliability
- ◆ Supports 64/128-bit WEP Data Encryption function for high level of security
- ◆ Support TKIP and AES advanced WLAN Security
- ◆ Supports Power Save Mode
- ◆ Site Survey tool for scanning all the APs or Routers nearby and easy to joint any AP or Router in the site survey list
- ◆ Support the most popular operating systems: Windows 98SE/Me/2000/XP and Linux

#### Specification:

Interface Type:	32-bit Cardbus
Standard:	IEEE 802.11b WLAN Standard
Antenna:	Diversity Patch Antenna inside
Network Architecture:	Infrastructure and Ad Hoc
Security:	64/128-bit WEP encryption; 64/128-bit TKIP encryption; 64/128-bit AES encryption
Drivers:	Supports Windows 98SE/Me/2000/XP and Linux
LED:	TX/RX, Link
Dimensions:	7(H) x 113(W) x 54(D) mm
Certification:	FCC, CE
Media Access Protocol:	CSMA/CA
Frequency:	2.4000 to 2.4835GHz (Industrial Scientific Medical Band)
Channels:	1-11 Channels: North America ; 1-14 Channels: Japan TELEC ; 1-13 Channels: Europe ETSI
Data Rate:	11Mbps/5.5Mbps/2Mbps/1Mbps
11Mbps/5.5Mbps/2Mbps/1Mbps	Modulation Technique: Direct Sequence Spread Spectrum DBPSK/DQPSK/CCK
Power Voltage:	3.3V
Transmit Power:	16dBm-18dBm
Receive Sensitivity:	-83dBm (Typical)
Operating Temperature:	0 ~ 55°C
Storage Temperature:	-20 ~ 70°C
Relative Humidity:	0%~95%